

GRADATION ANALYSIS REPORT
PALM BEACH VIBRACORE SAMPLES DECEMBER 1987

FOR: X SOIL CLASSIFICATION X CORING SAMPLES BRACH SAMPLES CONCRETE AGGREGATES
ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORR NO.	13	14 b	14 b								
SAMPLE DEPTH (FT)	18.0	2.0	0.0								
U.S.C.S.	SP	SP	SP								
DESCRIPTION											
DRY SAMPLE WT (GRAMS)	186.42	146.66	184.21								
SAMPLE WT AFTER WASH	178.02	146.35	181.12								
SIEVE SIZE	RET SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	1.69	0.91	99.09	0.00	0.00	100.00	0.42	0.23	99.77
7	-1.50	2.8	2.16	1.15	98.84	0.00	0.00	100.00	0.50	0.27	99.73
10	-1.00	2	5.03	2.70	97.30	0.40	0.27	99.73	0.71	0.39	99.61
14	-0.50	1.4	7.20	3.86	96.14	0.80	0.50	99.40	1.21	0.66	99.34
18	0.00	1	11.28	6.03	93.95	1.31	0.88	99.12	1.82	0.99	99.01
25	0.50	0.71	15.72	8.43	91.57	2.33	1.57	98.43	3.51	1.91	98.09
35	1.00	0.5	18.91	10.14	89.86	6.92	4.65	95.35	11.34	6.16	93.84
45	1.50	0.355	31.34	16.81	83.19	18.55	11.13	88.87	37.00	20.10	79.90
60	2.00	0.25	41.82	22.33	77.67	75.65	50.89	49.11	59.56	32.33	67.67
80	2.50	0.18	108.24	58.99	49.01	122.01	82.07	17.93	110.10	64.70	35.30
120	3.00	0.125	156.82	84.01	15.89	145.50	97.87	2.13	156.17	94.78	15.22
170	3.50	0.09	176.80	94.84	5.16	146.16	98.32	1.68	178.09	96.68	3.32
200	3.75	0.075	177.84	95.40	4.60	146.18	98.34	1.66	180.08	97.76	2.24
230	4.00	0.063	178.41	95.70	4.30	146.21	98.35	1.65	180.49	97.98	2.02
PAN			178.74	95.83		146.29	98.41		180.53	98.00	
SIEVE LOSS			0.28			0.26			0.58		
WEIGHTED AVE (mm)			0.294			0.193			0.225		
SILT CLAY %			4.45			1.40			1.92		

GRADATION ANALYSIS REPORT
PALM BEACH VIBRACORP SAMPLES DECEMBER 1987

FOR: X SOIL CLASSIFICATION X CORING SAMPLES BEACH SAMPLES CONCRETE AGGREGATES
ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	14 ^b	14 ^b	15
SAMPLE DEPTH (FT)	14.0	18.0	2.0

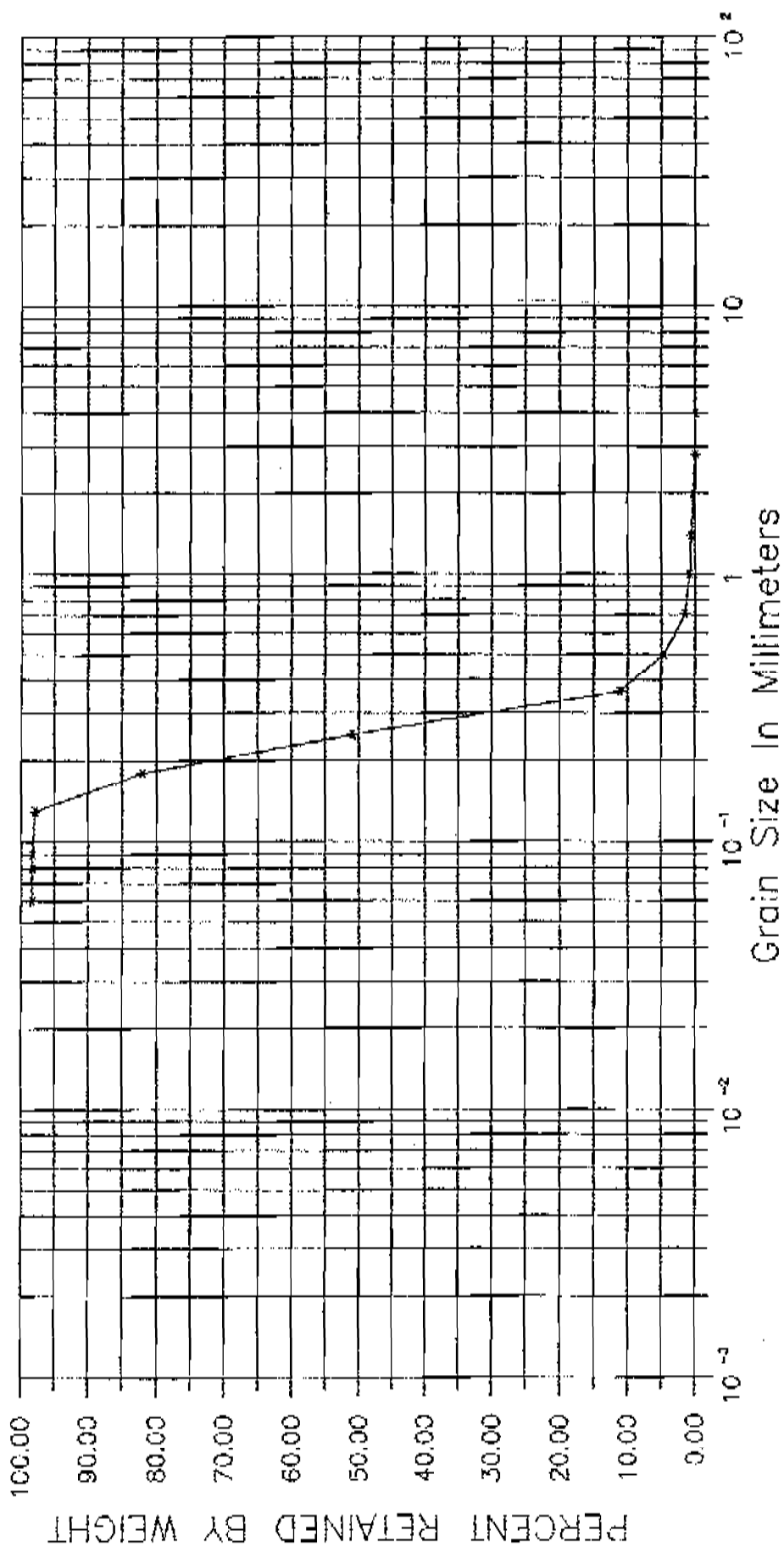
U.S.C.S. DESCRIPTION	ST-SM	SP	SP
----------------------	-------	----	----

DRY SAMPLE WT (GRAMS)	220.58	182.86	163.23
SAMPLE WT AFTER WASH	205.59	189.35	160.25

SIEVE SIZE	PFI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.31	0.14	99.86	4.28	2.22	97.78	0.00	0.00	100.00
7	-1.50	2.0	0.69	0.31	99.69	4.51	2.34	97.66	0.23	0.14	99.86
10	-1.00	2	1.25	0.57	99.43	4.66	2.53	97.47	0.53	0.32	99.68
14	-0.50	1.4	2.40	1.09	98.91	5.22	2.71	97.29	1.20	0.74	99.26
18	0.00	1	5.19	2.35	97.65	6.03	3.13	96.87	1.72	1.05	98.95
25	0.50	0.71	12.04	5.46	94.54	6.49	3.37	96.63	2.30	1.41	98.59
35	1.00	0.5	35.12	15.92	84.08	7.51	3.90	96.10	3.43	2.10	97.90
45	1.50	0.355	83.26	37.74	62.26	10.06	5.23	94.77	7.11	4.36	95.64
60	2.00	0.25	123.78	56.12	43.88	22.68	11.60	88.20	17.11	10.48	89.52
80	2.50	0.18	166.23	75.38	24.62	79.62	41.38	58.62	69.80	35.08	44.92
120	3.00	0.125	190.00	86.13	13.87	138.85	72.18	27.82	140.74	86.22	13.78
170	3.50	0.09	204.22	92.58	7.42	168.11	97.79	2.21	158.64	97.19	2.81
200	3.75	0.075	205.05	92.86	7.04	188.89	98.25	1.75	158.98	97.40	2.60
230	4.00	0.063	205.24	93.04	6.96	189.14	98.38	1.62	159.20	97.55	2.45
PAN			205.32	93.08		189.19	98.35		159.26	97.57	

SIEVE LOSS	0.27	0.16	0.99
WEIGHED AVE (mm)	0.309	0.226	0.139
SILT-CLAY %	8.92	1.67	2.00

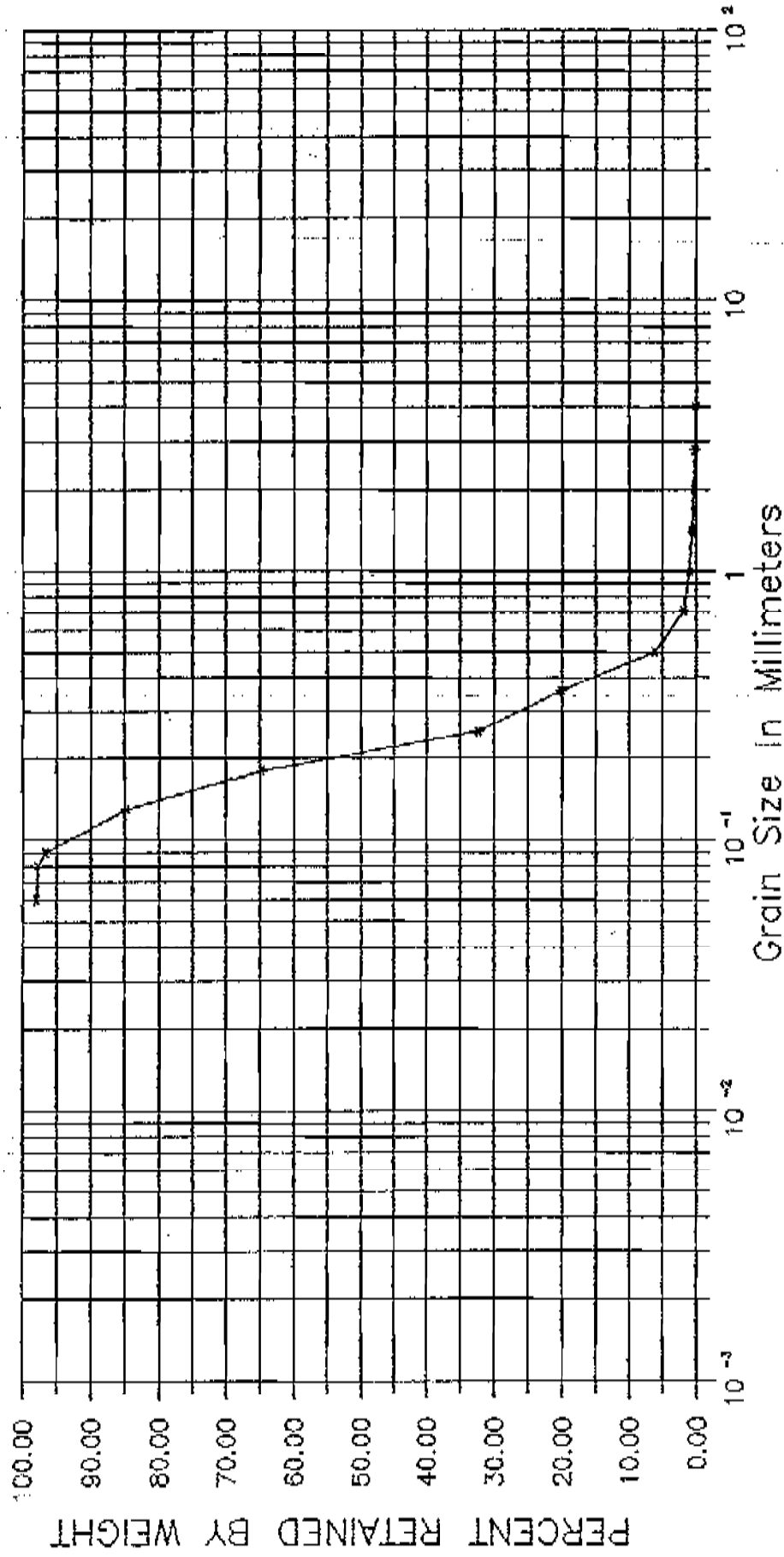
MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

CLASSIFICATION			
SAMPLE NO.	MEAN	MEDIAN	SORTING
14			
37	.25 mm	.25 mm	.40
	.24 mm	.22 mm	.46
	GREY POORLY GRADED SAND WITH SCATTERED SHELLS CORAL-(SP)		

MECHANICAL ANALYSIS CHART



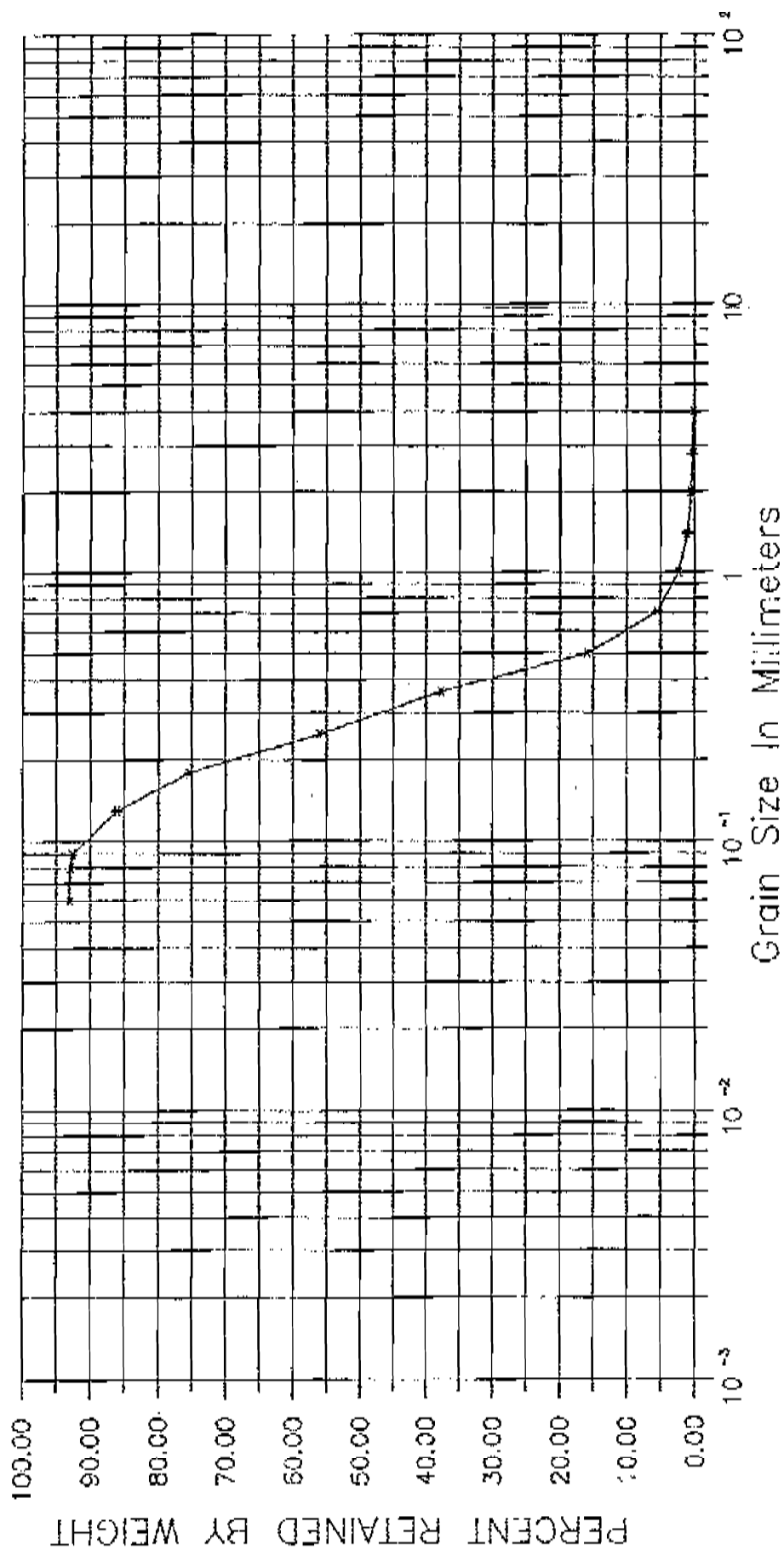
SILT OR CLAY		FINE		SAND		GRAVEL	

CLASSIFICATION

SAMPLE NO.	MEAN	MEDIAN	SORTING
14	0.23 mm	0.25 mm	7.6
81	0.22 mm	0.20 mm	8.1
GREY POORLY GRADED SAND (SP)			

(54)

MECHANICAL ANALYSIS CHART



SILT OR CLAY	CLASSIFICATION				GRAVEL	
	FINE	SAND	COARSE	FINE	COARSE	COARSE

SAMPLE NO.		CLASSIFICATION	
14	MEAN	MEDIAN	SORTING
13	2.7mm	2.0mm	9.7
	2.0mm	2.0mm	9.8
	GREY POORLY GRADED SAND WITH SCATTERED SHELL & CORAL - (SP-SH)		

MECHANICAL ANALYSIS CHART

